

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board  
Office of Local Assistance  
1001 I Street, 9th Floor  
PO Box 4025  
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.

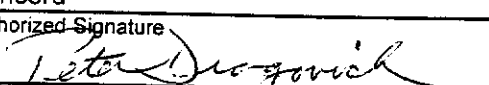
☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The cells on these sheets are protected except for the ones that need information. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name Concord		County Contra Costa	
Authorized Signature 		Title Assistant to the City Manager	
Type/Print Name of Person Signing Peter Dragovich	Date 11-8-2002	Phone ( ) 925-671-3085	
Person Completing This Form (please print or type) Christina Hanson/Mark White		Title Project Manager	
Affiliation:	Pacific Waste Consulting Group		
Mailing Address 5714 Folsom Blvd. #240		City Sacramento	State CA
		ZIP Code 95814	
E-mail address mark@pwcg.net			

**Section II: Information for New Generation-Based Study for Existing or New Base Year**

**Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).**

*Note: New base years must be representative of a jurisdiction's disposal and diversion.*

<b>1. Current Board-approved base-year:</b>	<b>2. Proposed new generation-based study year:</b>
<b>1990</b>	<b>2000</b>

**3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:**

The original base-year is based on data that is old and inaccurate. The proposed base-year is based on a new and accurate Waste Generation Study. Data was obtained directly from hauler reports, DRS data, and waste audits and surveys. All calculations were based on Board-approved conversion factors. No extrapolation was used. The combination of this data results in a report that accurately portrays an average year in terms of waste disposal and diversion. There were no unusual events, in the study year, such as natural disasters or large construction or demolition projects.

**4. Enter your diversion rates below.**

<b>Diversion rate calculated using existing base year</b>	<b>a. 45 %</b>	<b>Diversion rate calculated using new generation-based study</b>	<b>b. 51 %</b>
<b>For existing base year pounds/person/day based on generation</b>	<b>0.9</b>	<b>For new generation based study pounds/person/day based on generation</b>	<b>1.2</b>
<b>Residential generation 61 %</b>	<b>Non-Residential Generation 39 %</b>	<b>Residential generation 25% %</b>	<b>Non-Residential generation 75% %</b>
<b>Population existing generation-based study #####</b>		<b>Population new generation-based study 930000</b>	

**5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.**

The new diversion rate is consistent with our current diversion efforts in that our jurisdiction has implemented or expanded several programs including Public Works grasscycling and asphalt recycling, procurement and recycling in City offices, increased materials collected curbside (2000), buyback program, city-wide greenwaste collection (2000), expanded floor sort at the transfer station and numerous print and outreach programs including compost bin sales, school curriculum and grasscycling brochures.. The diversion data from the old base-year was very inaccurate and incomplete. The new base-year includes many diversion and disposal sources that were missed in the original base-year. The increase in pounds per person per day is slight, and is a result of the increased generation.

**6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)**

Using the CIWMB adjustment method with the factors provided by the CIWMB, the diversion rate is 45 percent. The proposed diversion rate of 51 percent shows an increase greater than 5 percent. Using the alternative adjustment factors submitted in the Annual Report, the diversion rate is 49%, an increase less than 5 percent. In either case, the difference in rates is due to the more complete evaluation of diversion and disposal done in the current survey than in the original base-year. The increased diversion is largely attributed to the expanded floor sort recycling at the transfer station, the new city-wide greenwaste program, the City recycling programs (greenwaste, grasscycling, and asphalt), and the identification of business recycling and source reduction efforts in the diversion study.

<b>7. Disposal Tonnage: (enter values)</b>		<b>40578</b>	<b>57353</b>	<b>97531</b>
		Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmb.ca.gov/lccentral/forms/rytmdrq.doc>)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmb.ca.gov/lccentral/forms/rytmdrq.doc>)

**8.** In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

\*Please provide detailed non-Residential waste audit information in Section 9.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
<b>Residential Activities:</b>					
<b>Source Reduction</b>					
Backyard composting	246	0.1%	Food and yard waste	See List of Conversion Factors used in Attachment 8	County sales records
Grasscycling		0.0%			
<b>Other Residential source reduction (list each program separately)</b>					
Yard Sales	364	0.2%	textiles, furniture, books	1040 yard sales; .35 tons per sale, CIWMB	Contra Costa Times
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
<b>Subtotal Residential Source Reduction</b>	<b>610</b>	<b>0.3%</b>			
<b>Recycling</b>					
Curbside Recycling	7526	3.8%	Paper, cardboard, plastic, glass, aluminum	Actual Tonnage used	CDS reports
Buyback centers	1517	0.8%	Plastic (1&2), glass, aluminum, bimetal	3,033,508 lbs	DOC report
Drop-off centers	1907	1.0%	ONP, OCC, white ledger, plastic, glass, aluminum	Actual Tonnage used	CDS reports
<b>Other Residential recycling (list each program separately)</b>					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Residential Recycling</b>	<b>10950</b>	<b>5.5%</b>			
<b>Composting</b>					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material types (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at <a href="http://www.ciwmh.ca.gov/localtra/paris/foodst/reduce.htm">http://www.ciwmh.ca.gov/localtra/paris/foodst/reduce.htm</a>	(A)	(ATotal Generation)			
Green waste drop-off	13037	6.6%	Green Waste	Actual Tonnage used	CDS reports
Curbside green waste Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	13037	6.6%			
Subtotal Residential Diversion	24597	12.5%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	8512	4.3%		See Section 9	
Other non-Residential source reduction (list each program separately)					
City Green Waste	2165	1.1%	Green Waste	284 acres of City Parks. .35 lbs/sq ft. 1 acre = 43,560 sq ft.	Surveyed acreage; document with CIWMB
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	10677	5.4%			
Recycling					
Non-Residential Waste Audits*	12275	6.2%		See Section 9	
Other non-Residential recycling (list each program separately)					
Compactor/Bins/Bales	2067	1.0%	Newspaper, OCC, OCC bales, Mixed ledger	Actual Tonnage used	CDS report
Commercial Collection	2305	1.2%	Newspaper, OCC, Mixed paper, Glass	Actual Tonnage used	CDS report
Other Material Handler					Invoice copies for 2000; does not include businesses already surveyed.
*City Asphalt Recycling*	20040	10.2%	Asphalt and concrete	Concrete; 1 cu yd = 1,855 lbs/cu yd Asphalt; 1 cu yd = 1,380 lbs/cu yd	City report
Other Material Handler	5167	2.6%	Pavement Asphalt	150lbs/cuft (Asphalt Institute Handbook)	Annual Report from HQ not included in Attach 9.
Subtotal Non-Residential Recycling	969	0.5%	UBC, Plastic, Other Bev, Glass, Alum scrap, Brass, Copper	1,936,996 lbs total	
Subtotal Non-Residential Recycling	42823	21.7%			

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of report and location of record
Composting					
Non-Residential Waste Audits	584	0.3%		See Section 9	
Other non-Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	584	0.3%			
Subtotal Non-Residential Diversion	34084	27.4%			
Residential/Non- Residential Diversion Activities					
ADC	18187	8.2%	wood, C&D	Actual Tonnage used	Transfer Station Quarterly Reports
Sludge					
Scrap metal					
Construction and demolition Landfill salvage	2551	1.3%	Cardboard, paper, metals, plastic, glass, aluminum, wood, plastic	Total Diversion minus ADC minus Greenwaste = landfill salvage	Transfer Station Quarterly Reports
Subtotal Residential/Non-Residential diversion	20738	10.5%			
Total Diversion Tons	99419	50.4%			
Total Disposal Tons from Sec.7	97931	49.6%			
Total Generation Tons (Div+Dis)	197350				

# Board Meeting January 14-15, 2003

## 9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type. Include copies of survey form(s) used.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section B)	Survey Method Phone (P) Mail (M) On-site (O) Other
Retail - Automotive	S-00-121	Recycling tires,	83	749	0	832	0.4%	S
School District	S-00-122	Grasscycling	1024	0	0	1024.20682	0.5%	S
Retail - Food Store	S-00-73	Recycling OCC, plastic, rendering, pallet SR, donations.	328	422	33	782.6	0.4%	S
Retail - Food Store	S-00-79	Recycling OCC, plastic, rendering, pallet SR.	328	1178	527	2032.6	1.0%	S
Retail - Other	S-00-51	Recycling OCC, paper, plastic, tires; pallet and tire SR.	94	654		748	0.4%	S
Retail - Home Improvement	S-00-89	Recycling OCC; pallet SR.	1820	530	0	2349.62963	1.2%	O
Manufacturing - Metals	S-00-30	Recycling scrap metal, alum, copper, pallet SR.	0	2449	0	2449.286684	1.2%	S
Retail - Warehouse Store	S-00-72	Recycling tires, newspaper; pallet SR.	2711	582	0	3293	1.7%	S
Asphalt Co	S-00-04	Recycling concrete		750	0	750	0.4%	O
Retail - Other	A-00-07	Recycling textiles, appliances	0	880	0	880	0.4%	S
<b>Totals</b>			<b>6388.0358</b>	<b>8193.2873</b>	<b>560</b>	<b>15141.32313</b>	<b>7.7%</b>	

Summarize the non-residential diversion activities quantification methodology and applicable conversion factors.

7/10/02 SECTION REVISED: DATA REORDERED BY MATERIAL TYPE:

### OCC RECYCLING:

S-00-73. 416 tons of OCC. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 2 Concord stores.

S-00-79. The stores recycled 1052 tons of OCC. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 3 Concord stores.

S-00-89. This store was audited and all information provided in person by the manager. This store recycles 51 cubic yards per week. The OCC is baled and sent back to the corporate distribution center for recycling. Using the conversion factor (400 lbs/compacted cu yd, USEPA), the annual diversion totals 530 tons.

S-00-51. Retail - Warehouse Store: This store was audited and all information provided in person by an employee. Cardboard is recycled through their corporate distribution center. They send 12.4 cubic yards of compacted OCC weekly to the distribution center. Using the conversion factor (400 lbs/cu yd compacted, USEPA), we calculated 129.4 tons diversion.

### PLASTIC RECYCLING:

S-00-73. 6 tons of plastic. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 2 Concord stores.

S-00-79. 24 tons plastic. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 3 Concord stores.

S-00-51. Retail - Warehouse Store: This store was audited and all information provided in person by an employee. They recycle plastic by sending back to their distribution center for recycling. They bale 4.7 cubic yards of plastic wrap weekly. Using the conversion factor (75.96 lbs/cu yd, semi-compacted, Tellus), they diverted 9.2 tons.

### NEWSPAPER:

S-00-72. Retail - Warehouse Store: They recycle old newspaper. We received the tonnage from the recycler statements. This recycler was one that we surveyed, so we removed the tons from this store from our recycler diversion totals. In 2000, they diverted 322 tons of newspaper. These numbers were obtained through a phone survey with an employee.

### PAPER:

S-00-51. Retail - Warehouse Store: This store was audited and all information provided in person by an employee. Paper is recycled through a recycler that did not participate in our survey (so no double-counting). Two 33-gallon bags of office paper are recycled weekly. Using the conversion factor, (25.41 lbs/33 gallon bag, USEPA), we calculated 1.32 tons diversion.

### FOOD WASTE/COMPOSTING:

S-00-73. The stores recycled 11 tons of food donations. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 2 Concord stores.

S-00-79. 628 tons food waste (102 bone/fat and 526 tons produce that is composed). These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 3 Concord stores.

### RENDERING:

S-00-73. 22 tons of meat/bone/fish/oil. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 2 Concord stores.

reports. The reports provided only the materials received from the City, this data contains information from 2 Concord stores.

S-00-79. These numbers were obtained through a corporate representative and all information provided through corporate recycling reports. The reports provided only the total tons received from the City; this data contains information from 3 Concord stores.

#### **PALLET S/R:**

S-00-89. This store was audited and all information provided in person by the manager. They reuse pallets, 1750 pallets weekly. One-trip wooden pallets are saved and returned to the distribution center. Using the conversion factor (40 lbs/ea, USEPA) they diverted 1820 tons.

S-00-73. The stores also receive 40 pallets per day, seven days per week, from daily shipments and 10-12 pallets every other day from other shipments. We used an average of 45 pallets per day to calculate the diversion. Using the conversion factor (40 lbs/pallet, USEPA), they diverted 327.6 tons.

S-00-79. The stores also reuse 45 pallets per day, seven days per week. Using the conversion factor (40 lbs/pallet, USEPA), they diverted 327.6 tons.

S-00-30. Manufacturer - Metals: Pallets are also recycled. The pallets, 7-8 weekly (we used 7.5 in our calculations) are sold to a scrap dealer for recycling. The pallets are the heavy duty pallets, 4'x10', so we doubled the conversion factor of a regular pallet. Using that factor (80 lbs/pallet [doubled the 40 lb factor], USEPA), we calculated 15.6 tons diversion. These numbers were obtained through a phone survey with an employee.

S-00-72. Retail - Warehouse Store: This store also reuses pallets, 2520 per week. The pallets are returned to their distribution center. Using the conversion factor (40 lbs/pallet, USEPA), they diverted 2620 tons. These numbers were obtained through a phone survey with an employee.

#### **GRASSCYCLING:**

S-00-122. The school district applies grasscycling methods to 5,852,610 square feet of grass at the schools in the City. This acreage does not include any parking areas, developed areas or any lawn areas where grasscycling cannot be practiced. Using the conversion factor (0.35 lbs/sq. ft., CIWMB), we calculated 1024 tons of diversion.

#### **SCRAP METAL:**

S-00-51. Retail - Warehouse Store: This store was surveyed and audited and all information provided in person by an employee. This store recycles scrap metal through a recycler that we did not survey (so no double-counting). They recycle a 500-pound flat of materials every other month, totalling 1.5 annual tons diverted.

S-00-30. Manufacturer - Metals: This shop recycles 102.7 cubic yards of ferrous scrap metal weekly. The materials are sold to a recycler that we did not survey (so no double-counting). Using the conversion factor (906 lbs/cu yd, USEPA), the diversion totals 2418 tons. The program began in 1991, so we will include these tons in our diversion rate calculation. These numbers were obtained through a phone survey with an employee.

#### **ALUMINUM:**

S-00-30. Manufacturer - Metals: They also recycle .45 cubic yards weekly of aluminum. Using the conversion factor (175 lbs/cu yd, Tellus), they diverted 2.05 tons. These numbers were obtained through a phone survey with an employee.

#### **COPPER:**

S-00-30. Manufacturer - Metals: They recycle copper, .45 cubic yards weekly. Using the conversion factor (1093 lbs/cu yd, Tellus), they diverted 12.8 tons. Both the aluminum and copper are also recycled through a recycler that we did not survey and these programs began in 1993. These numbers were obtained through a phone survey with an employee.

#### **TIRES:**

S-00-121. These numbers were obtained through a telephone survey and all information provided by the store manager. This automotive store recycles 800 tires per week. The tires are picked up by a tire recycler. We contacted the tire recycler and were told that they recycle 55 percent of the tires, sell for fuel 35 percent and recap and resell 10 percent. No tires are disposed. Approximately 75 percent of the tires are car-sized tires and 25 percent larger truck tires. We applied the percentages to the conversion factor (20 lbs/car tire, 80 lbs/truck tire, USEPA), to determine 749 tons of tires were recycled and 83 tons source reduced annually.

S-00-72. This store recycles tires, 250 per week. They are picked up by a recycler. We contacted the recycler and verified that no tires are disposed. Using the conversion factor, averaging for 65 percent car tires and 35 percent truck tires, (weighted average 40 lbs/ea, CIWMB), we calculated 260 tons diversion.

S-00-51. Retail - Warehouse Store: This store was surveyed and audited and all information provided in person by an employee. The tires, 600 per week, are picked up by a recycler. We contacted the recycler and verified that no tires are disposed; the tires are either resold, recycled, or burned for fuel. Using an average of car and truck tire conversion factors (weighted average 60 lbs/tire, CIWMB), they diverted a total of 609 tons.

#### **TEXTILES/APPLIANCES**

A-00-07. Retail - Thrift Store: This store was audited by CIWMB staff. The manager of the store provided the information. She estimated that the following was sold on a daily basis: 1) 3,125 pieces of clothing = 1 lb each 2) 10 pieces of furniture = 100 lbs/ea 3) 30 boxes of household items = 20 lbs/box 4) 50 books = 1.48 lbs/ea 5) 10 lbs of linens = 2.72 lbs/ea 6) 1 small appliance = 197.37 lbs/ea.

#### **CONCRETE**

S-00-04. Asphalt Company: Information from this survey was discussed with the store manager. Confirmed that all concrete materials were picked up by County Quarry. Provided number in tons = 750 annual.

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Pull Down for Waste Types ▼	***See Attachment 10 for Complete List***		3317
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. \_\_\_\_\_ (Date)

If documentation is not available, go to 10d.

▪ How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

▪ That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990.

(Note: this criterion is applicable to the entire jurisdiction, not to individual programs .

[PRC Sec. 41781.2 (c) (2)]).

▪ The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼	***See Attachment 10 for Complete			
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Board Meeting  
January 14-15, 2003

Agenda Item  
Attachment 2a

(using "2000 Div  
Cales for  
CIWMB" file)

Business Audit Division for the City of Concord

Reference Number	Business Type	Division Activity	Material Type	Amount of Material	Units	Frequency	Notes	Conversion Factor	Units	Conversion Source	Source Reduction (tons)	Recycling (tons)	Composting (tons)	Total Tons
S-00-01	Applink Co.	Recycled	Concrete	750.00	tons	annually	To County Quarry; not included in other material handler #'s					750		750.00
S-00-06	Subtotal (Tons)			750.00										
S-00-06	Mobile Co.	Source Red.	Pallets	20.00	Pallets	monthly	sent back to source		40 lbs/pallet	CIWMB	4.8			4.80
S-00-10	Subtotal (Tons)			4.80										
S-00-10	Landscaper	Source Red.	Pallets	7.00	Pallets	weekly	sent back to source		40 lbs/pallet	CIWMB	7.28			7.28
S-00-11	Subtotal (Tons)			7.28										
S-00-11	Concrete Co.	Recycling	Scrap metal C&D	100.00	lbs	annually	Sell scrap, since 1990	wt from orig source docs				0.05		0.05
S-00-15	Subtotal (Tons)			1.25										
S-00-15	Metals Mfr.	Recycling	Scrap metal OCC	1500.00	lbs	monthly	***not using, incl in recycler totals							
S-00-24	Subtotal (Tons)			3.30										
S-00-24	Painting Shop	Recycling	Scrap metal OCC	3.30	tons/yr	monthly	Recycler (unknown)					3.3		3.30
S-00-26	Subtotal (Tons)			0.10										
S-00-26	Painting Shop	Recycling	Scrap metal OCC	0.17	cu yd	monthly	scavenger		100 lbs/cu yd uncompact	CIWMB	0.1			0.10
S-00-28	Subtotal (Tons)			2.08										
S-00-28	Manufacturing Metals	Source Reduction	Pallets	2.00	pallets	weekly	returned to source		40 lbs/pallet	CIWMB	2.08			2.08
S-00-29	Subtotal (Tons)			9.36										
S-00-29	Manufacturing Metals	Source Reduction	Pallets	9.00	pallets	weekly	returned to source		40 lbs/pallet	CIWMB	9.36			9.36
S-00-30	Subtotal (Tons)			2.44929										
S-00-30	Manufacturing Metals	Source Reduction	Pallets	2.44929	pallets	weekly	returned to source		40 lbs/pallet	CIWMB	2.44929			2.44929
S-00-40	Subtotal (Tons)			2.05										
S-00-40	Manufacturing Metals	Source Reduction	Pallets	2.00	pallets	weekly	returned to source		40 lbs/pallet	CIWMB	2.08			2.08
S-00-43	Subtotal (Tons)			1.56										
S-00-43	Manufacturing Metals	Source Reduction	Pallets	1.50	pallets	weekly	returned to source		40 lbs/pallet	CIWMB	1.56			1.56

[illegible]



Attachment 9	Recycling	Al		33 gallons	weekly	donated		lbs/32 gallon	LA County		0.391425		0.39
	Source Red.	OCC		10 lg boxes	weekly	reused		4 lbs/lg box	CIVMB	1.04			1.04
	Subtotal (Tons)		3.35										
S-00-92	Recycling	Paper		394.08 tons	annually	per regional reports		wt from org					
	Source Red.		394.08					source docs			394.08		394.08
S-00-93	Recycling	Paper		304.298 lbs	annually			wt from org			152		152.00
	Source Red.		152.00					source docs					
S-00-94	Recycling	OCC		33.87 tons	annually	resident hauler gives to National Recycling		wt from res hauler			49.2805		49.28
	Source Red.	ONP		25.6 tons	annually	resident hauler gives to National Recycling		documents			20.6		20.60
	Recycling	Paper		6.484 tons	annually	resident hauler gives to National Recycling					4.62		4.62
	Recycling	Al		0.37525 tons	annually	resident hauler gives to All Sierra					0.29		0.29
	Recycling	Glass		3.7895 tons	annually	resident hauler gives to All Sierra					0.81		0.81
	Recycling	Plastic		1.869125 tons	annually	resident hauler gives to All Sierra					0.413		0.41
	Subtotal (Tons)		76.01										
S-00-99	Recycling	Green waste		250 cu yd	annually	composted		108 lbs/cu yd	USEPA		13.5		13.50
	Source Red.	Green waste		4247100 sq ft	annually	grasscycled		0.33 lbs/sq ft	CIVMB	743.2425			743.24
S-00-100	Recycling	OCC		30 gallons	monthly	to boy scouts		0.454545 lbs/gal	CIVMB		0.081818182		0.08
	Source Red.	Plastic		200 lbs	monthly	to supplier				1.2			1.20
	Subtotal (Tons)		1.28										
S-00-103	Recycling	Paper		1.3 tons/yr				wt from org			1.3		1.30
	Source Red.		1.30					source docs					
S-00-105	Recycling	OCC		21.33333333 cu yd baled	annually	Contra Costa Recyclers		lbs/cu yd	USEPA		4.266666667		4.27
	Source Red.	Al		135 gallons	4 times annually			400 Compacted			0.1231875		0.12
	Source Red.	Fe		40000 lbs	annually			14.6 crush/uncrush	LA County		20		20.00
	Source Red.	Pallets		5 pallets	weekly			40 lbs/pallet	CIVMB	4.8			4.80
	Subtotal (Tons)		29.19										
S-00-106	Recycling	Tires		150 ea	weekly	50% burned		40 lbs/avg car & truck			46.8		46.80
	Source Red.	OCC		15 med boxes	weekly	warehouse		2.2 lbs/med box			0.792		0.792
	Source Red.	Tires		150 ea	weekly	25% reused		40 lbs/avg car & truck		39			39.00
	Subtotal (Tons)		85.80										
S-00-107	Recycling	Fe		162 lbs	weekly			wt from org			3.9		3.90

S-00-108	Attachment 2	Recycling	Tires	1300 ea	monthly	35% burned, 55% recycle	40 lbs/avg car & truck	USEPA	280.8	
		Recycling	OCC	15 sm boxes	weekly	scavenger, MDR	2.2 lbs/med box	CIWMB	0.702	
		Source Red.	Tires	1300 ea	weekly	10% reused	40 lbs/avg car & truck	USEPA	31.2	31.20
		Subtotal (Tons)								-
S-00-109	The Store	315.90								
		Recycling	Fe	250 lbs	weekly	1995 corporate program	wt from orig source docs			
		Recycling	Tires	200 ea	weekly	30% burned	40 lbs/avg car & truck	USEPA	6.5	6.50
		Source Red.	Tires	200 ea	weekly	25% reused	40 lbs/car & truck	USEPA	62.4	62.40
		Subtotal (Tons)								52.00
S-00-110	The Store	120.90								-
		Recycling	Fe	500 lbs	weekly	1995 corp program	wt from orig source docs			
		Recycling	Tires	175 ea	weekly	30% burned	40 lbs/avg car & truck	USEPA	13	13.00
		Source Red.	Tires	175 ea	weekly	25% reused	40 lbs/avg car & truck	USEPA	54.6	54.60
		Subtotal (Tons)								45.50
S-00-111	Packaging Store	113.10								-
		Source Red.	Pallets	100.00 pallets	weekly	back to shippers	40 lbs/pallet	CIWMB	96	96.00
		Source Red.	Plastic Pigs	10.00 lbs	weekly	reused packaging			0.26	0.26
		Subtotal (Tons)								
S-00-112	Mail Box Store	96.26								
		Recycling	OCC	500 lbs	weekly					
		Source Red.	OCC	300 lbs	weekly					
		Source Red.	Pallets	5.00 pallets	weekly		40 lbs/pallet	CIWMB	7.8	7.80
		Subtotal (Tons)								5.20
S-00-113	The Store	26.00								-
		Recycling	Tires	250 ea	weekly	30% burned	40.00 lbs avg car & truck	USEPA		
		Source Red.	Tires	250 ea	weekly	25% reused	40.00 lbs avg car & truck	USEPA	65	65.00
		Subtotal (Tons)								78.00
S-00-114	The Store	143.00								-
		Recycling	Tires	125 ea	weekly	30% burned	40.00 lbs avg car & truck	USEPA	39	39.00
		Source Red.	Tires	125 ea	weekly	25% reused	40.00 lbs avg car & truck	USEPA	32.5	32.50
		Subtotal (Tons)								-
S-00-115	The Store	71.50								
		Recycling	Tires	200 ea	monthly	26% burned, 41% recycled	40.00 lbs avg car & truck	USEPA		
		Source Red.	Tires	200.00 ea	monthly	33% reused	40.00 lbs avg car & truck	USEPA	15.6	15.60
		Subtotal (Tons)								32.40
S-00-116	Mixers	48.00								-
		Recycling	Scrap metal	3.555555556 cu rd	weekly	began 10 yrs ago	906.00 lb/cu yd	USEPA	83.75466667	83.75
		Recycling	OCC	6 boxes	daily	to scavenger	2.2 lbs/med box	CIWMB	2.0592	2.06
		Recycling	Al	1 32 gallon bag weekly	weekly	to homeless people	14.60 lbs/32 gallon crush	UCLA Study	0.3796	0.38
		Recycling	Glass	75 bottles est. weekly	weekly	to homeless people	0.92 lb/12 oz. bottle	USEPA	0.02833333	0.02
		Recycling	Plastic	75 bottles est. weekly	weekly	to homeless people	0.10 lbs/ 16 oz. bottle	UCLA Study	0.0026	0.00
		Source Red.	Pallets	1 pallet	weekly	Plus 500 lbs given to truck	40 lbs/pallet	CIWMB	1.29	1.29
		Subtotal (Tons)								-
S-00-117	The Store	87.51								
		Recycling	Other metals	3.5 55 gal barrel monthly	monthly	plus 6720 lbs/yr weights	226.50 lbs/barrel (55 gal)	USEPA	8.1165	8.12
		Recycling	Tires	350.00 ea	weekly	50% burned, 30% recycled	32.0 lbs/avg car & truck	USEPA	87.36	87.36
		Source Red.	Tires	350.00 ea	weekly	20% reused	32 lbs/avg car & truck	USEPA	58.24	58.24
		Subtotal (Tons)								-
S-00-118	The Store	153.72								
		Recycling	Other metals	100 lbs	weekly		wt from orig source		2.6	2.60

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Attachment 9	Recycling	Green waste	1 acre	grasscycle			0.35	lbs/sq ft	CIWMB		7.623	7.62
	Source Red.	Paper	200 reams	monthly	s/c methods		5.00	lbs/ream	CIWMB	6.1	-	6.10
	Source Red.	Plastic	1 cu yd	monthly	plastic/dcc wrap to PH		35.00	lbs/uncompacted cu yd	USEPA	1.03	-	1.03
	Source Red.	Wood	15.55555556 cu yd	annually	reuse		329.50	lbs/cu yd	Tellus	4.56277778	-	4.56
												-
	Subtotal (Tons)											65.73
A-00-03	Recycling - Employees											
	Recycling	OCC	2 cu yd loose	weekly	Contra Costa Recyclers		100.00	lb/cu yd uncompact	CIWMB		5.2	5.20
	Recycling	Paper	2 cu yd loose	weekly	Contra Costa Recyclers		755.00	lbs/cu yd	USEPA		39.26	39.26
	Recycling	AI	10 lbs	monthly	recyc by employees						0.06	0.06
	Recycling	Plastic	10 cartridges	annually	recycled		2.50	lbs/cartridge	USEPA		0.0125	0.01
	Source Red.	OCC	20 lg boxes	monthly	reused		4.40	lbs/lb box	CIWMB	0.528	-	0.53
	Source Red.	Other metals	20 items	annually	donated (desks, filing cabinets)		184.75	lbs/desk	BUC	1.28225	-	1.28
	Source Red.	Plastic	3 lbs foam	monthly	reused		55.50	lbs/computer	UCLA Study	0.03	-	0.03
	Source Red.	Pallets	20 pallets	annually	annually		40.00	lbs/pallet	CIWMB	0.4	-	0.40
												-
												-
	Subtotal (Tons)											46.77
A-00-04	Recycling - Internants											
	Source Red.	Pallets	5.3 pallets	monthly	returned		40.00	lbs/pallet	CIWMB	1.32	-	1.32
												-
	Subtotal (Tons)											1.32
A-00-05	Recycling - Govt											
	Recycling	OCC	37.03703704 cu yd baled	weekly	Weyerhaeuser		400.00	lbs/cu yd compacted	USEPA		385.1851852	385.19
	Recycling	Other metals	2 computers	monthly	to corp for recycling		55.50	lbs/computer	UCLA Study		0.6666	0.67
	Recycling	Plastic	5 cartridges	annually	recycled		2.50	lbs/cartridge	USEPA		0.00625	0.01
	Source Red.	Pallets	50 pallets	weekly	weekly		40.00	lbs/pallet	CIWMB	52	-	52.00
												-
	Subtotal (Tons)											437.86
A-00-06	Recycling - Other											
	Recycling	Textiles	150 pieces	daily	clothing		1.00	lb/ea	Industry Est		19.5	19.50
	Source Red.	Plastic	200 hangers/ea	monthly	donated to cleaners		0.14	lbs/hanger	CIWMB	0.168	-	0.17
	Subtotal (Tons)											19.67
A-00-07	Recycling - Other											
	Recycling	Clothing	3125 pieces	daily	different types of clothing		1.00	lb/ea	Industry Est/Regional Goodwill		568.75	568.75
	Recycling	Furniture	10 pieces	daily	small bookshelves, end tables, chairs		100.00	lbs/ea	Industry Est/Regional Goodwill		182.00	182.00
	Recycling	Household Items	30 boxes	daily	Avg for light appliances		20.00	lbs/box	Industry Est/Regional Goodwill		98.28	98.28
	Recycling	Books	50 books	daily	Avg hardback, softback		1.48	lbs/ea	LA Study		13.42	13.42
	Recycling	Linens	10 per lb	daily	Avg sheets, towels, blankets		2.72	lbs/ea	LA Study		4.95	4.95
	Recycling	Appliances	0.5 each	daily	Avg washer, dryer, fridges		197.37	lbs/ea	LA Study		12.83	12.83
	Subtotal (Tons)											880.23
A-00-08	Recycling - Other											

Source Red.	Textiles	8000 each	monthly	household items/consignment	1.53	lbs/cu	LA Study	73.44	-	73.44
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
Recycling	OCC	5,925/2926	cu yd/baled toner	recycled fibers	400.00	lbs/cu yd compacted	USEPA	-	61,629/2963	61.63
Recycling	Plastic	12 cartridges	annually	recycled	2.50	lbs/cartridge	USEPA	-	0.015	0.02
Source Red.	OCC	7.5 boxes	weekly	reused, various sizes	2.20	lbs/med box	CIWMB	0.429	-	0.43
Source Red.	Other metals	15 computers	weekly	returned, damaged boxes	55.50	lbs/computer	UCLA Study	21,645	-	21.65
Source Red.	Pallets	22.5 pallets	weekly	returned to vendor	40.00	lbs/pallet	CIWMB	23.4	-	23.40
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
Recycling	Textiles	100 ea	daily	clothing	1.00	lb/ea	Industry Est	-	134	130.00
Recycling	Textiles	1 pieces	daily	furniture	100.00	lbs/piece	Industry Est	-	13	13.00
Recycling	Textiles	22 totes	daily	household items	15.00	lbs/tote	Industry Est	-	38.61	38.61
Recycling	Textiles	3 totes	daily	books	25.00	lbs/tote	Industry Est	-	9.75	9.75
Recycling	Textiles	1 totes	daily	appliances	20.00	lbs/tote	Industry Est	-	2.6	2.60
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
Recycling	Textiles	10 pallets	monthly	Valley WM scrap metal furniture/donated	40.00	lbs/pallet	CIWMB	2.4	-	2.40
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
Recycling	Paper	3 cu yd	weekly	Valley WM	755.00	lbs/cu yd	USEPA	-	114.14	114.14
Recycling	Other metals	160 cu yd	annually	scrap metal furniture/donated	906.00	lbs/cu yd	USEPA	-	72.48	72.48
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
Recycling	Plastic	6 cartridges	annually	recycled	2.50	lbs/cartridge	USEPA	-	0.0075	0.01
Recycling	Wood	5 pallets	weekly	recycled	40.00	lbs/pallet	CIWMB	-	5.2	5.20
Recycling	OCC	200 boxes	bi-weekly	various sizes/ reused by Mt. Diablo paper stock	2.20	lbs/med box	CIWMB	2.64	-	2.64
Source Red.	Pallets	17 pallets	weekly	recycled	40.00	lbs/pallet	CIWMB	17.68	-	17.68
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
Source Red.	OCC	300 lbs	weekly	reused	wt from orig source docs			7.8	-	7.80
Source Red.	Plastic	200 lbs	weekly	Ethan Allen receives 3 boxes of bubble wrap/wk and 1 box of styrofoam edge/wk	wt from orig source docs			5.46	-	5.46
<b>Subtotal (Tons)</b>										
<b>Recycling - Other</b>										
<b>Subtotal Audits:</b>										
								223.56	1,861.71	2,085.27
<b>Totals (for cert form):</b>										
								8,512	12,275	584
								21,369		

## ATTACHMENT 10

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

### POST-1990:

Restricted Waste Type	Ref. #	Specific Program name	Year started	Tonnage
Scrap Metal	S-00-106	Business recycling; Selling materials to local recycler	1996	10
Inert Solids	S-00-04	Business recycling of asphalt/concrete in pavement projects	1996	750
Scrap Metal	S-00-109	Business recycling; Selling materials to local recycler	1995	13
Scrap Metal	S-00-108	Business recycling; Selling materials to local recycler	1995	7
Scrap Metal	S-00-107	Business recycling; Selling materials to local recycler	1995	4
Scrap Metal	S-00-30	Business recycling; Selling materials to local recycler	1991	2418
Scrap Metal, Inert Solids	S-00-11	Business recycling; Selling scrap metal, recycling concrete	1990	1
Scrap Metal	S-00-117	Business recycling; Selling materials to local recycler	1991	84
Scrap Metal	A-00-01	Business recycling; Selling materials to local recycler	1998	30
Totals				3,317

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program. Instead please provide date of Board approval of previously submitted information. \_\_\_\_\_ (Date)

If documentation is not available, go to 10d.

§ How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

§ That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted

§ The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion

City of Concord Certification Form

PRE-1990:

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Ref. #	Specific Program name	New base year or	1990 diversion tonnage	Difference
Inert Solids	C-00-01	Recycling of Asphalt by Public Works	7,667	2500	5167
Scrap Metal	S-00-29	Recycling of Scrap Metals by business	27	426 (overall)	0
Scrap Metal	S-00-83	Recycling of Scrap Metals by business	2.4		0
Scrap Metal	S-00-28	Recycling of Scrap Metals by business	11.4		0
Scrap Metal	S-00-49	Recycling of Scrap Metals by business	23.6		0
Sum Allowable Diversion:					5167